

ABSTRACT OF THE DISCLOSURE

An apparatus for purging an article such as a tire of moisture and other
5 impurities and for inflating the article with dry pure gas. The apparatus includes a
four way valve; a gas input assembly communicatively connected to the valve; a
vacuum generator communicatively connected to the valve; and an article
interface assembly communicatively connected to the valve. A method of purging
and inflating an article, includes the steps of establishing fluid communication
10 between an article and a valve; establishing a pressurized fluid communication
between the valve and a source of pressurized gas; establishing a fluid connection
between the valve and a vacuum generator whereby pressurized gas flows through
the vacuum generator to the atmosphere and fluid in the article flows through the
vacuum generator to the atmosphere; and establishing a fluid connection via the
15 valve whereby pressurized gas flows to the article.

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